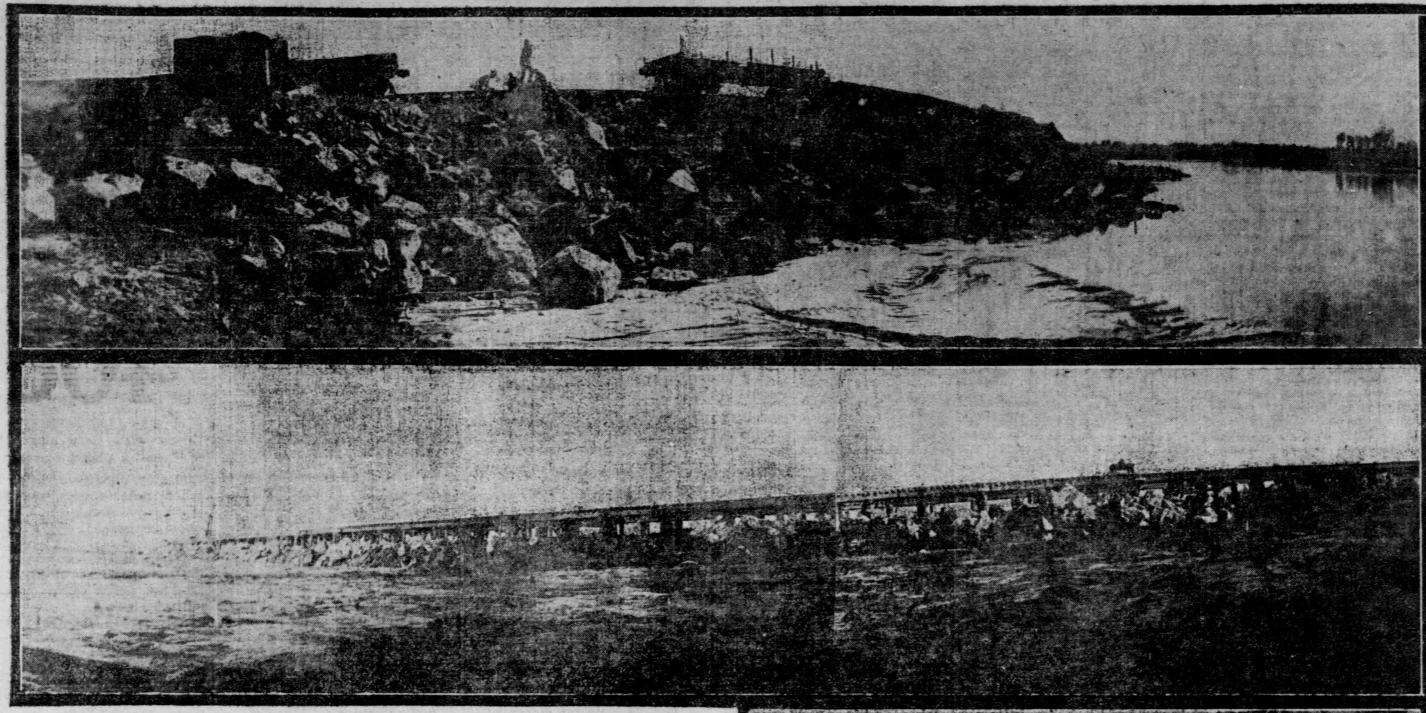
HOW THE DUEL BETWEEN ENGINEERS AND THE COLORADO RIVER IS BEING FOUGHT

Rock on the face of the dam closing break in bank of the Colorado river.



Rock dam completed across break in bank of Colorado river.

garded as the greatest achievement of my railroad experience. My reply was that I considered the closing of the break in the Colorado river on the afternoon of Feb. 11 as the most remarkable achievement of recent history. In the handling of rock and stone our engineers made a record which is likely to stand for many years to come."—Statement by E. H. Harriman in Washington, D. C., on March 6.

The detail higher, in order to be safely above highest known water, and it is to be padded on the upstream side with clay until it shall become entirely impervious.

A great railroad corporation, with abundant rolling stock, alone could have achieved this feat. The entire equipment of the Southern Pacific was at the command of the engineers during the period of the work. At times even the locomotives on passenger trains in transit were diverted to haul rock to the scene of the accident, and of railroad track and development went

that the Southern Pacific company take

Temporarily, at least, the Colorado steps to save the Imperial valley of has been conquered, but, like Missing the Missing the Pacific Company take

Temporarily, at least, the Colorado steps to save the Imperial valley of has been conquered, but, like Missing the railroad's equipment and facilities were used and considerable are California by stopping the break in the sissippi in its delta region, it will bear chites will dead and watching always. The Colorado is one gress made, but the fall floods washed Colorado river, the prospect was of the shiftiest, slyest and most treach- out part of the work, only to have it gloomy. For years a duel had waged erous rivers that ever ran. between nature and science and, so far, nature had won!

world. The feat was thus described by

making the closure, dating from the subject. dumping of the first rock, was fifteen This valley will some day be the days and two hours, during which in- home of above 100,000 persons on hunterval 77,000 cubic yards of material, 95 dreds of thousands of acres of truly thirty-four feet."

yards of which will be rock and the itself worth the fighting for. balance gravel and clay.

What Was Done in Two Weeks.

The maximum amount of water con-The top of the dam is now four feet



That is just what you will say when you see the "Money Back" showing of Spring and Summer Shoes, Over 100 styles at \$3.50 not to be duplicated in style, finish or wearing quality under \$5.00 anywhere, At \$5,00 and up you get hand made, the finest selection of leather and individuality not to be had outside of this store. Davis Shoe Co.

******************* above the level of the water. Its verti- had simply opened a hole in alluvial "I was asked by the interstate cal distance from the top of the base commerce commission what I resist is sixty feet. The dam will be raised five or six feet higher, in order to be call distance from the top of the base is sixty feet. The dam will be raised five or six feet higher, in order to be call distance from the water. Its verting the bank of the river.

Floods in the fall of 1904 caused the mouth of this third opening to wash succeeding.

****************************** rock to the scene of the accident, and of railroad track and development went When President Roosevelt demanded quarries hundreds of miles distant contributed materials to close the break.

upon one of the richest sections of soil on Nov. 115 all leakage of water Today it is different. The break has in the world-a region with which the through the dam had been stopped. It been closed, closed within a period valley of the Nile can alone be com- seemed as if the battle had been won, which has astonished the engineering pared. No wonder then that in the ef- but another flood followed, and on Dec fort to protect this region for future 8 water worked its way under the le generations, the president of the United | vees south of the dam. By noon on the States has thought enough of it to send following day nearly the entire Colo-"The time actually consumed in to congress a special message on the rado river was emptying into the Sal-

per cent of which was rock, the balance garden farm lands if intelligent methgravel and clay, were handled. The ods are employed. With a population difficulties which confronted the en- of something like 10,000, property there gineers will be better appreciated when is estimated to be worth in the neighit is recalled that the Colorado river, borhood of \$5,000,000 today, and some with a flow of 22,000 seconds-feet, was day it is thought it will be worth seven rushing madly through a break 1,100 times more at least. There were nests feet long in soft earth banks. In mid- of little farm houses to be saved, tiny channel the depth of the water was hamlets or settlements, small village and larger towns clean up from the "But not only has the break been Mexican border and the Imperial valclosed; the Southern Pacific engineers ley above the town of Yuma and the are determined that such a break shall government works at Laguna dam. not occur again. Additional material There were hundreds of miles of railis being added today at the rate of road to be saved, main line and branch 5,000 subic feet each twenty-four hours. line, with their bridges, trestles, sid-When completed the dam will contain ings and stations; there are salt works 140,000 cubic yards of material, 80,000 and other industries-surely a prize in

The Salton Sink.

It was not so many years ago that the Salton district with the Imperial tended with during the construction of valley so-called was regarded as very the dam approximated 40,000 seconds- much as Dead Sea fruit. The country feet. In a period of a little more than was, in fact, a dried and dead sea. The two weeks a structure of rock, gravel Salton sink was described by scientists and clay was built across the channel, as "crystalline chloride of sodium," which is mostly salt, and the Imperial valley was the undisputed home of the horned toad and the diamond-back rattlesnake.

Some curious persons, geologists or others, investigating all this dry-asdust land, saw that the valleys were really deposits of silt, left there ages before when there was a river flowing through, capable of the richest harvests if only water could be obtained for it. Rain was out of the question, and they suddenly realized that right at hand was the supply, all they wanted and

worth the mentioning. It had deposited splash into the water. the silt over it all, and the very act had raised its bed higher and higher each succeeding century until it was 20. The second track would go against above the level of the land about it. the inrush of water in the form of a All that was needed, therefore, was to crescent, and this would form first an tap the river intelligently, locate the outlying bulwark of stone, after which canals and the things would be done.

the result was as expected. That part any river when they begin to fight it of the country affected began to blos- with fortifications like that. Settlers began to come. Two years later a company was organized gone on, the other phase of protection to take charge of the project. Without taking thought of the mor-

few canals over the surface and sold and firmer. Every day sees confidence water rights to settlers. In the spring of 1904 the demand for ers and artisans of the peaceful valirrigation was so great that another leys.

completed when both taps were filled American brains, push, energy and capup by silt washed in by the river. To relieve the situation, in July, 1904, a third tap was made farther down the river, about four miles inside of the Mexican border. The location was hosen because it would give a greater the peace treaty has not been signed drop to the canal and it was believed nor will it be signed until she is bound. that the increased velocity of flow gagged and lying prone.

would keep the channel clear. This tap caused the trouble. They Garfield Excursion Sunday, 50c.

sissippi in its delta region, it will bear cilities were used and considerable prorebuilt.

The original scheme to reclaim the Oo Nov. 4, 1906, the break, which had Imperial valley represented a design been 1,800 feet wide, was closed, and on sink. The president of the United States took a hand. He and Mr. Harriman exchanged numerous telegrams in discussion as to the best course to be pursued. It was a rather delicate task for the government to undertake beause an international question was involved. done in the United States, the break "The question as to what sum shall

> message of January, and with that unerstanding the work is being done. The railroad took hold of things at emigration at close range. nce. It seemed to the engineers as if he entire river bank was rotten. The built a railroad and called for more engineers and more workmen. They organized a corps of levee builders, of men to build drain and muck ditches, and, above all, they perfected the flyig squadron of break closers. Most pportant were these break closers, as as been pointed out-high-pressure, fully equipped fighting men, ready for

all emergencies They went at the breaks with feverish haste, and there was neither night nor day for them, just twenty-fournour periods. They studied the situaon until they had every trick of the old river, every whim and every artifice at their finger's end. The bottom of every break was soft, as Mr. Harriman has said, soft and fine.

How the Work Was Done.

Epes Randolph, in charge of the work, outlined a system of brush mattress work as the base for all his dams. and into this he threw his rock fill. First they would run a railroad Nature had kindly arranged the New trestling across a break, then they river, branch of the Colorado river, so would put down their mattress, after that it could be made to transform the which trainload after trainload of entire district without any trouble heavy stone would come along and

Upon the big breaks they used two trestles, just as in that break of Jan. they would fill in the intervening The first tap was made in 1891 and space. There isn't much chance for

As rapidly as the closure work has has not been neglected. Every day and every hour sees the wall of levee all row, they put in flimsy dams, strung a along the entire course rising higher returning more and more to the farm-

ital combined against old Nature: Na-



Waters of the Colorado river rushing beneath trestles from which rock was dumped to form the dam.

National Commission to Meet in Washington Monday to Perfect Organization.

Washington, April 20 .- An exhaustive investigation into all phases of immigration as it affects the United States While the damage was being is about to be begun by a national commission. The commission will that the Southern Pacific was pledged meet here Monday to perfect its organization and to discuss plans for its work. It already had been decided tene paid to the railroad will be settled tatively that the members of the comin the future," said the president in his mission will visit Europe, either as a body, or, if all the members cannot go, as a sub-committee for the study of

The commission consists of nine members, appointed under the immientire bank of the river would have to gration act passed by congress last leveed and strengthened. They winter. Three of them, Senators Dillingham of Vermont, Lodge of Massachusetts and Latimer of South Carolina, were named by Vice President Fairbanks; three, Representatives Howell of New Jersey, Bennett of New York and Burnett of Alabama, by Speaker Cannon, and three, Charles P. Neill, commissioner of labor; Professor J. W. Jenks of Cornell and William R. Wheeler of Oakland, Cal., by President | gian parliament.

European Visit Necessary.

ommission in this country by way of beginning its inquiries, the general idea is to extend its labors to Europe. The most important ports of embarkation of emigrants will be visited. A tenta-

The work of the commission will be

to inquire into the restrictions placed influ upon Chinese and Japanese immigra-tion, but it is not probable that it will visit Asia

Will Report to Congress.

The commission will report its find- Delegates to Hague Conference at ings and recommendations to congress, to be used as a basis for legislation. It is regarded likely that out of the work will grow an international commission to consider the whole subject. law creating the commission authorizes

tap was made just south of the first one. The second one had scarcely been sturdiest duels ever fought between self. See Bennett Glass & Paint Co., Old porch furniture as good as new. JAP-A-LAC will do it. Apply it your-

> Rose Sale at Vogeler's Tuesday, 10 a. m.; 2-year-old roses transplanted, 15c each. Every one will bloom this year. Garfield Excursion Sunday, 50c.

Our Grill Room at the Royal Cafe is open daily from 4 to 12 p. m.

COLD TURKEY FOR FRANCE

Rumor That Leopold of Belgium Is About to Hand Over Congo Free State.

This trip of the king of the Belgians

has aroused much comment and specu-

lation in political circles. The explana-

is given with all reserve, is that Leo- strike pold will offer to cede the Congo independent state to France at his interview with President Fallieres. This interview was arranged while the king vas on his way from Nice to Brussels. France enjoys the right of pre-emplower to dispose of the Congo state during his lifetime. It has always been his majesty's intention to turn over the Congo to Belgium, but exasperated by the opposition of the present Belgian parliament to his views concerning the future government of the state, said that he now prefers to hand the country over to France. With that ob-

explained, is about to sound the French In other quarters the opinion is en-tertained that the approaching inter-view with President Fallieres is noth-ing more than a threat against the Beling more than a threat against the Bel-

ject in view the Belgian monarch, it is

SPANISH ELECTIONS. While some work will be done by the Disorders Expected in Barcelona and Catalan Provinces.

April 20.-The elections for nembers of the chamber of deputies, of emigrants will be visited. A tentative itinerary includes Great Britain, France, Germany, Austria-Hungary, Spain and Italy. It is expected that the trip will occupy three or four months. electoral league with the Catalan extreme home rulers and the Carlist and Uultraonly fairly begun when it returns to monte Conservatives, to defeat the revolutionary Republicans led by Deputy Leformation will be sought. Reports from

FINAL INSTRUCTIONS.

State Department.

Washington, April 20.—In response to a call from Secretary Root, all of the American delegates to the second Hague peace conference, with the exception of Judge U. B. Rose of Arkansas, assembled in law creating the commission authorizes the president to issue a cali for such a conference if he should deem such action desirable.

U. B. Rose of Arkansas, assembled in the diplomatic room at the state department today and spent several hours in consultation with the secretary and Assistant Secretary Bacon relative to their share in the work of the approaching

General Porter and Mr. Choate, who were appointed last June, already had received the department's instructions for the presentation of their case to the peace the presentation of their case to the peace congress, but the increase of the delegation by the addition of Mr. Buchanan, General Davis and Admiral Sperry, and the enlargement of the prospective program, made necessary a repetition of the old instructions and considerable additions

Don't forget about Vogeler's Rose Sale Tuesday.

MORE PAY DEMANDED.

Officers on New York Coastwise Streamers Threaten to Strike.

New York, April 20.-Unless a 10 per cent increase in pay for first, second and third class officers on coastwise seamers running out of New York is granted by Paris, April 20.—A dispatch from May 1, there will be a strike. This was Brussels says that the journey of King Leopold to Paris has been unexpected-tives of eighteen steamship lines by Luther B. Dow, general agent of harbor No. postponed from tomorrow until 1, American Masters Mates and Pilots as-

The officers affected today sent their resignations to the lines by which they are employed, their contracts calling for ten days' notice. For several weeks the companies have been advertising for men which is impossible of confirmation and it is expected they will fight the

The companies involved are the Porto Rico line, Mallory line, Clyd line, Red D line, Panama line, Southern Pacific Oceanic Steamship.company, Old Dominon line, Metropolitan line, Brunswick Steamship company, Ward line, A. H. Bull & Co., American-Hawaiian Steamship tion in the Congo under the treaty of company, Atlantic Coast company, Stan-Berlin, which treaty gave King Leopold dard Oil company, Luckenbach Steamship company, Guffey Oil company, the Mer-chants and Marine company of Baltimore,

SEEKING INFORMATION.

Dr. Theodore Barth, German Leader, En Route to America.

Berlin, April 20.—Dr. Theodore Barth, leader of one of the radical parties in the German reichstag, and ex-editor of Die Nation, which recently discontinued publication, has started for New York by way of Genoa, from which port he will sail. April 24

It is Dr. Barth's intention to make a

study of the most recent developments of American politics and social life, with of American pointes and social me, with special reference to the relations between the great capitalists and politics. He will study the immigration problem, inquiring how far the United States is succeeding in absorbing east European immigrants.

MANEUVERS IN FINLAND.

Announcement a Prelude to Military

Occupation. St. Petersburg, April 20.-The officers of several infantry and artillery regi-ments of the guard have been notified that maneuvers in Finland may be sub-

stituted this year for the usual exer cises in the summer camp at Krasnoye Selo. The news has caused considerable formation will be sought. Reports from all parts of the world will be placed at the disposal of the commission, and experts on immigration may be employed to collect data.

The electoral struggle will be particularly fierce in Guadalajara, where the government seeks to break the long-standing abroad which are supposed to have been allowed to h ernment seeks to break the long-standing influence of Count Romanones.

In Madrid the Republicans have some Liberal support.

Liberal support.

In the teacher approach to have been destined for importation into Russia through Finland, and the capture of cartridges in Finland itself, Intended for the control of the contr revolutionists in that part of the empire, have strengthened the hands of the anti-

Finnish advisers of the emperor. squadrons of torpedo boats have formed to guard the Gulf of Bethnia. COLD SNAP IN IDAHO.

Some Damage to Fruit, but Not Enough to Be Serious. (Special to The Herald.)

Boise, Ida., April 20.-A cold snap visited this section last night and caused some minor damage to fruit. The recor at Boise was 32. In this immediate vi cinity there was practically no damage but at points further west the tempera out at points further west the tempera-ture was much lower, dropping to 26 at Caldwell and Payette and 28 at Weiser. At those points peaches, apricots and nectarines were badly damaged, but ap-ples and prunes, the two great commer-cial orchard products, were not damaged seriously, not more than enough to effect needed thinning. It has been demonstrat-ed several times that apples and prunes will stand 26 in these valleys. will stand 26 in these valleys.

Garfield Excursion Sunday, 50c.

Such as Hewlett's Three Crown, not only supplies body, color and flavor, but it aids digestion of other food and helps you to get "? the full nourishment out of it without the aid of drugs.

Always ask your grocer for

Hewlett's Coffee

and you'll be sure it's fresh and

EXPLOSION OF GENERATOR.

For Half an Hour Broadway, New York, Was in Darkness.

New York, April 20 .- The explosion of New York, April 20.—The explosion of an enormous electric generator tonight in the lighting plant of the New York Edison company at Thirty-eighth street and First avenue turned darkness on New York's most brilliantly lighted district. The explosion was followed by fire, and although the firemen responded promptly, the water they threw into the building seemed only to spread the flames. ing seemed only to spread the flames, which were feeding on the insulation of the great mass of wires inside the build-

for half an hour Broadway was almost in darkness. The footlights in half a dozen theatres were so dim that the actors were hardly distinguishable to the tors were hardly distinguishable to the auditors, and in some places stampedes were narrowly averted. Scores of little moving picture theatres were put out of commission and in Bellevue hospital the attendants were busy for many minutes quelling a panic among the patients. Emergency generators were finally placed in operation by the lighting company.

PERMANENT WRIT ASKED.

A. S. Bigelow Trying to Enjoin Calumet & Hecla.

Boston, April 20.—Quincy A. Shaw, Alexander Agassiz, Francis L. Higginson and Frances W. Hunnewell, of Boston, directors of the Calomet & Hecia Mining comtors of the Calomet & Hecia Mining company, were served with papers today in a new suit against the company, begun in the United States circuit court at Grand Rapids, Mich., by A. S. Bigelow of Boston, president of the Osceloa Mining company. Bigelow asks for a permanent writ restaining the Calumet & Hecla company from voting the proxies of other lake companies which it is said to control. He brings suit as a minority stockholder of the defendant corporation and seeks to prevent an alleged combination seeks to prevent an alleged combination of lake copper properties. He asserts that the methods adopted by the majority stockholders have been in violation of the United States and Michigan

It is expected a hearing will be held in Grand Rapids in about ten days. COURT PICKS THE MAN.

Receiver Appointed for the Uncle Sam Oil Company.

Topeka, Kan., April 20.—Judge J. C. Pollock in the United States district court here today named J. C. O. Morse as receiver for the Uncle Sam Oil company cently at Fort Scott by certain stockhold-ers. Mr. Morse, who is manager of the telephone company at Wichita and formerly was a state railorad commisser, gave a bond of \$50,000.

The court also required that the three stockholders who petitioned for the receiver furnish a bond of \$10,000 to cover any injury to the company that might arise out of the appointment.

The receiver was appointed under the bankruptcy law, which provides that the making of a general assignment of the officers of a corporation to others constitutes an act of bankruptcy and a re-ceiver may be asked. The receiver was appointed to take charge of the property and manage it to conserve the interests

OKLAHOMA CONVENTION.

Adjournment Will Not Be Taken Until Monday.

Guthrie, Okla., April 20 .- The constituonal convention did not adjourn sine die today, as was expected, on account of the delay in printing the new election ordinance. The document may be out of the printers' hands tomorrow. If so, the

delegates probably will leave for their homes Monday. It was stated tonight that the program of the convention upon assembling Mon-day morning would be to take a recess for several weeks instead of adjourning. Lack of concerted sentiment among the delegates forbids either an authoritative confirmation or denial of the report.

SKIPPED WITH THE MONEY.

New York, April 20.—On a charge of grand larceny made by her stepfather, James T. Bransfield, said to be a well-known contractor of Chicago, Ella Bransfield, 26 years of age, was arrested to-night. The arrest, according to the police, followed a complaint by Mr. Brans-field that he gave his stepdaughter \$500 on April 9 to deposit in a bank and that she left Chicago with a man. J. F. Busiger of Chicago was arrested as a suspicious person.

BELIEVED TO BE DEAD.

Cairo, Ill., April 20.-A coat and vest belonging to P. H. Strowhun, a general organizer for the American Federation of Labor, whose home is at Murphysboro, Ill., were found today on the Mis-sissippi river bank below the Halliday hotel. Strowhun is well known in labor union circles over the country. Search is being instituted for him. The belief predominates that while delirious jumped into the river.

SHAW AT WHITE HOUSE.

Washington, April 20.-Former Secretary of the Treasury Shaw had a long talk with President Roosevelt today. Mr. Shaw declined to say what the talk was about. but said that it covered a wide range of subjects. It is known that the discus-sion covered questions of politics and finance. Mr. Shaw will return to New

TORPEDO BOAT SINKS.

Valetta, Island of Malta, April 20-While maneuvering during a night attack outside the Grand Harbor late yesterday, the British torpedo boat desroyer Ariel collided with the breakwater and sank. One man was drowned. The Ariel lies in deep water and it is expected that she will be a total loss.

NOTICE TO SPORTSMEN

Our 1907 Catalogue will be the most complete edition ever issued. In fact, it is practically a "Hand Book" for lovers of the outdoor life. Send request for copy to

ABERCROMBIE & FITCH CO.,

Manufacturers of Complete Outfits for Explorers, Campers and Prospectors, Outing Garments, Fishing Tackle, Cances,

Guns and Ammunition, El Beade Street, New York.